

LISTING OF THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double brackets indicating deletions.

LISTING OF CLAIMS

1. (Previously Presented) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:

estimating polarities of a plurality of received data symbol samples;

converting the received plurality of data symbol samples into plurality of quasi-pilot symbol samples based on the estimated polarities; and

generating an SINR estimate based on the plurality of quasi-pilot symbol samples such that the SINR estimate is not dependent only on the polarities of the plurality of received data symbol samples.

2. (Previously Presented) The method of claim 1, wherein

the converting step multiplies each of the plurality of received data symbol sample by an associated estimated polarity, and

the generating step generates the SINR estimate using the multiplication results as the plurality of quasi-pilot symbol samples in an SINR estimation algorithm.

3. (Previously Presented) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:

estimating bit values of a plurality of received data symbol samples;

converting the received plurality of data symbol samples into plurality of quasi-pilot symbol samples based on the estimated polarities; and

generating an SINR estimate based on the plurality of quasi-pilot symbol samples such that the SINR estimate is not dependent only on a bit value of the plurality of received data symbol samples.

4. (Previously Presented) The method of claim 3, wherein
the converting step multiplies each of the plurality of received data symbol sample by an associated estimated bit value, and
the generating step generates the SINR estimate using the multiplication results as the plurality of quasi-pilot symbol samples in an SINR estimation algorithm.

5. (Previously Presented) A method of estimating a signal-to-interference+noise ratio (SINR), comprising:
estimating polarities of a plurality of received data symbol samples;
converting the received data symbol samples into quasi-pilot symbol samples based on the estimated polarities; and
generating an SINR estimate based on the quasi-pilot symbol samples.

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